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Long tubular parts inner surface cleaning - involves applying cleaning soln. downward along cleaned surface alternately with compressed gas

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Number of Countries: 001 Number of Patents: 001

Patent Family:

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SU 1062311	A	19831223	SU 3422518	A	19820222	198434 B

Priority Applications (No Type Date): SU 3422518 A 19820222

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1062311	A		4		

Abstract (Basic): SU 1062311 A

The method comprises treatment with the cleaning soln., applied downward along the cleaned longitudinal inner surface (e.g. inside surface of pipe), alternatively with compressed gas at a frequency of 0.3-300 imp./sec.. The frequency of alternating the cleaning soln. and stream of compressed gas depends on the type and size of clean pipe and the compsn. of washed-out lubricant and is calculated by means of formula V/dm , where V is the cleaning soln. flow rate, 0.04-4 m/sec and d is the internal dia. of the cleaned tube, 8-60 mm. Preheated steam, hot compressed air, nitrogen and hydrogen can be used as the compressed gas.

USE/ADVANTAGE - For cleaning internal surface of pipes from technological lubricants, also for jet etching with the purpose of defects removal, in hydro-abrasive cleaning and repair works, etc. Proposed method reduces cleaning time by 1.5 times, i.e. to approx. 13.5 min.. Bul.47/23.12.83

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Title Terms: LONG; TUBE; PART; INNER; SURFACE; CLEAN; APPLY; CLEAN; SOLUTION; DOWN; CLEAN; SURFACE; ALTERNATE; COMPRESS; GAS

Derwent Class: M12

International Patent Class (Additional): C23G-005/00

File Segment: CPI

Manual Codes (CPI/A-N): M12-A

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